**Index of Claims** 



Application No. Applicant(s) 09/831,534 SMITH, BRYAN JOHN Examiner Art Unit DiBrino Marianne

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected Ν Interference

**Appeal** A o Objected

1644

| Cla      | D                          | Date                                      |                         |          |              |              |              |          |          |          |  |
|----------|----------------------------|---|-------------------------|----------|--------------|--------------|--------------|----------|----------|----------|--|
| "        |                            | SISM MA                                   |                         |          | Т            | T            | Ť            | Т        | Τ        | Т        |  |
| Final    | Original                   | 五   |                         |          |              |              |              |          |          |          |  |
| Ϊ́Ξ      | )rig                       | 3   |                         |          |              |              |              | 1        |          |          |  |
|          | 7                          | 조   |                         |          | L            |              |              |          | _        |          |  |
| _        |                            | Ш   |                         |          | L            | 1_           | _            | Ь.       | _        | _        |  |
| -        | 4                          | Н   |                         |          | ┡            | ┼            | ╄            | ╀        | ┼        | 1        |  |
| -        | 3                          | -   |                         | -        | -            | ╀            | ┼            | ╀        | +        | +-       |  |
|          | 4<br>5<br>6<br>7<br>8<br>9 | $\vdash$                                  | _                       | $\vdash$ | -            | ╁            | +            | ╀╌       | +        | ┼-       |  |
|          | d                          | $\vdash$                                  |                         |          | -            | .0           | +            | +        | +        | +-       |  |
|          | 7                          | П   |                         |          | t            | -            | t            | ╁╌       | t        | +        |  |
|          | 8                          |   |                         | _        |              |              |              |          | 1        | 1        |  |
|          | 9                          |   |                         |          |              |              |              |          |          |          |  |
|          | 10                         |   |                         |          | L            | ļ            | _            | _        | 1        |          |  |
|          | 11                         |   | _                       |          | _            | $\vdash$     | <u> </u>     | $\perp$  | $\perp$  | _        |  |
| <u> </u> | 12                         | $\vdash \vdash$                           | _                       |          | <del> </del> | 1            | <del> </del> | $\vdash$ | ـ        | _        |  |
| -        | 1.0                        | ┝╤  | $\dashv$                |          | ╁            | $\vdash$     | -            | ╀        | }        | ₩        |  |
| $\vdash$ | 12<br>18<br>14<br>15       | 7   | $\dashv$                |          | -            | $\vdash$     | ┼            | $\vdash$ | $\vdash$ | $\vdash$ |  |
| -        | 16                         | 1   |                         |          | $\vdash$     | †-           | +            | ╁        | $\vdash$ | †        |  |
|          | 16<br>17                   | \<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\ |                         |          | Т            | $\vdash$     | t            | T        | †        | $\Box$   |  |
|          | 18<br>19                   | V   |                         |          |              | L            | L            |          |          |          |  |
|          | 19                         | √   |                         |          |              |              |              |          |          |          |  |
| -        | 20                         | $ \sqrt{ }$                               | _                       |          | _            | _            | <u> </u>     | L        | _        | Ш        |  |
| -        | 21<br>22                   | $\dashv$                                  | 4                       |          | <u> </u>     | <u> </u>     | L            | ▙        | <u> </u> |          |  |
| 1-       | 23                         | $\vdash$                                  | -                       |          | -            | ┝            | -            | -        | ┝-       | Н        |  |
| -        | 23                         | -   | +                       | _        | -            | -            | $\vdash$     | ļ        | ┝        | Н        |  |
|          | 24<br>25                   |   | +                       |          |              |              | -            | ├─       | -        | Н        |  |
|          | 26                         |   | 1                       |          |              |              |              | -        | † · ·    | $\vdash$ |  |
|          | 26<br>27<br>28             |   |                         |          |              |              |              |          | <b>†</b> | П        |  |
|          | 28                         |   |                         |          |              |              |              |          |          |          |  |
|          | 29                         | $\perp$                                   | _                       |          |              |              | _            |          |          |          |  |
|          | 30                         | _   | $\dashv$                |          |              | <u> </u>     | L            | <u> </u> | L        | Ш        |  |
| -        | 31                         | -   | $\dashv$                |          |              | <del> </del> | <u> </u>     |          | ├—       | Н        |  |
|          | 32<br>33                   | $\dashv$                                  | $\dashv$                | -        |              | -            | <u> </u>     | <u> </u> | -        | H        |  |
|          | 34                         | $\dashv$                                  | $\dashv$                | -        |              | -            | $\vdash$     | -        | -        | $\vdash$ |  |
|          | 34<br>35                   |   | 寸                       |          |              | $\vdash$     | <u> </u>     | $\vdash$ | _        |          |  |
|          | 36                         | $\dashv$                                  | 7                       |          |              |              |              |          |          | М        |  |
|          | 37<br>38                   |   |                         |          |              |              | L            |          |          |          |  |
|          | 38                         | $\Box$                                    | $oldsymbol{\mathbb{I}}$ |          |              |              |              |          |          |          |  |
| 1        | 39                         | 4   | 4                       |          |              |              |              | L        |          | Ш        |  |
| -        | 40                         | -1  | 4                       | _        |              | _            |              | _        | <u>L</u> | Ш        |  |
|          | 41<br>42                   | +   | -+                      | _        |              | <u> </u>     |              | _        | <u> </u> | ⊢┤       |  |
| -        | 43                         | +   | $\dashv$                | _        |              | _            | <u> </u>     | _        | -        | $\vdash$ |  |
|          | 44                         | +   | +                       | $\dashv$ |              | -            | -            |          | <u> </u> | Н        |  |
|          | 45                         | +   | +                       |          |              |              |              |          |          | $\vdash$ |  |
|          | 46                         |   | $\top$                  | 7        |              |              |              | _        | -        |          |  |
|          | 47                         |   |                         |          |              |              |              |          |          |          |  |
|          | 48                         | $\bot$                                    | $\perp$                 | J        |              |              |              |          |          |          |  |
| $\vdash$ | 49                         | _   | 4                       | _        | _            |              | _            |          |          |          |  |
|          | 50                         |   |                         |          | [            |              |              |          |          |          |  |

| Cla   | Τ        | Date     |        |          |  |          |          |  |                |          |  |
|-------|----------|----------|--------|----------|--|----------|----------|--|----------------|----------|--|
|       | T        | Т        | Т      | Т        | Т  | Τ        | T        | T  | T              |          |  |
| Final | Original |          | !      |          |  |          |          |  |                |          |  |
|       | 51       |          | L      | T        |  |          |          |  |                |          |  |
|       | 52       |          |        | 1_       |  |          |          |  |                |          |  |
|       | 53       |          |        | T        | T  |          |          |  | Г              |          |  |
|       | 54       | T        |        | Т        |  |          |          |  | T              | $\top$   |  |
|       | 55       | T        | 1      |          | 1  |          | T        | 1  | $\top$         | T        |  |
|       | 56       | T        | Τ      | $\top$   | 1  | $\top$   | T        |  | T              | 1        |  |
|       | 57       | Τ        |        | T        |  |          |          | 1  |                | 1        |  |
|       | 58       | Т        |        |          | T  | 1        |          | 1  | Τ              |          |  |
|       | 59       | T        |        | ╈        |  |          |          | 1  | T              | 1        |  |
|       | 60       |          | T      | 1        |  | $\top$   | 1        | T  | T              | T        |  |
|       | 61       |          | $\top$ | Τ        | T  | 1        | T        | $\top$   | $\top$         |          |  |
|       | 62       | 1        | $\top$ | Ì        |  | 1        | $\top$   | $\top$   | $\top$         | 1        |  |
|       | 63       | Γ        | $\top$ |          | $\top$   | 1        | $\top$   | 1  | +              | 1        |  |
|       | 64       | Τ        | †      | $\top$   | 1  | T        | T        | T  | +              | T        |  |
|       | 65       | Τ-       | 1      | $\top$   |  | ╁╌       | †-       | †  | T              | 1        |  |
|       | 66       |          | $\top$ | $\top$   | †  | T        | <b>†</b> | T  | ╁              | +        |  |
|       | 67       | <u> </u> | T      | 1-       | +-   | ╁╴       | †        | $\dagger$  | t              | +        |  |
|       | 68       | İΤ       | $\top$ | ╁~~      | T  | <b>†</b> | t        | <del>                                     </del> |                | f        |  |
|       | 69       |          | 1-     | T        | <del>                                     </del> | t        | +-       | t  | $\vdash$       | $\vdash$ |  |
|       | 70       | _        | $\top$ | <b>†</b> | T  | †        | †        | H  | ╁┈             | 1        |  |
|       | 71       |          | ✝      | t        | ┢  | +-       | $\vdash$ | 1  | ┢╌             |          |  |
|       | 72       |          | 1      | 1-       | T  | t        | $\vdash$ | ✝  |                | t        |  |
|       | 73       | ┢        |        | †        |  | ╁        | 1-       |  | $\vdash$       | $\vdash$ |  |
|       | 74       | ┢        |        | 1        | $^{\dagger}$                                     | 1        |          |  |                |          |  |
|       | 75       | <b>-</b> | T      | 1        | $\vdash$   | <u> </u> |          | T  | l              |          |  |
|       | 76       | _        |        | T-       | $\vdash$   | †        | 1        | T  | T              | $\vdash$ |  |
|       | 77       |          | 1      | T        | $\vdash$   |          | $\vdash$ | <u> </u>   |                |          |  |
|       | 78       | _        | 1      | T        | <b>†</b> "                                       | T        | T        | t  | <del>  -</del> |          |  |
|       | 79       |          |        | t        | 1  | T        | T        |  |                | М        |  |
|       | 80       |          | T      | 1        |  | t        |          | t  | <del> </del>   |          |  |
|       | 81       |          |        | T        | 1  | T        |          | $\vdash$   | $\vdash$       | $\vdash$ |  |
|       | 82       |          |        | Г        |  | <u> </u> | $\vdash$ | 1  |                | П        |  |
|       | 83       |          | ļ —    |          | <u>†                                    </u>     | T        |          |  | T              | $\vdash$ |  |
|       | 84       |          | T      | 1        |  |          | 1        | Г  | T              | $\vdash$ |  |
|       | 85       |          | Ī      |          | Г  |          |          |  |                | П        |  |
|       | 86       |          |        | T_       | П  | Ī        |          | 1  |                | П        |  |
|       | 87       |          | Г      | П        | Γ  |          |          |  | t              | H        |  |
|       | 88       |          | Γ      |          | Γ  | Π        |          | T  |                | H        |  |
|       | 89       |          |        |          |  | Γ        |          |  |                |          |  |
|       | 90       |          |        |          |  |          | Γ        | İ  | 1              | $\Box$   |  |
|       | 91       |          |        |          |  |          | Γ        |  | Г              | $\Box$   |  |
|       | 92       |          |        | Г        |  |          |          |  | Г              |          |  |
|       | 93       |          | Ĺ      |          |  |          |          |  |                | П        |  |
|       | 94       |          |        |          |  |          |          |  |                | П        |  |
|       | 95       |          |        |          |  |          |          |  |                | П        |  |
|       | 96       |          |        |          |  |          |          |  |                | $\Box$   |  |
|       | 97       |          |        |          |  |          |          |  |                |          |  |
|       | 98       |          |        | Ĺ        |  |          |          |  |                |          |  |
|       | 99       |          |        |          |  |          |          |  |                |          |  |

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| Claim  |                   | Date     |          |                |              |              |          |              |              |          |  |
|--|-------------------|----------|----------|----------------|--------------|--------------|----------|--------------|--------------|----------|--|
| Final  | Original          |          |          |                |              |              |          | ı            |              |          |  |
|  | 101               |          |          |                | I            |              | Ī        | T            | 厂            |          |  |
|  | 102               |          |          |                |              | $\Box$       |          |              |              |          |  |
| <u> </u>   | 103               | _        | 1        | ļ              | ┸            | $\perp$      | _        | <u> </u>     | _ _          | ļ        |  |
| -  | 104               | _        | ╀        | <b> </b>       | ╄            | <del> </del> | -        | ┸            | 4            |          |  |
|  | 105<br>106        | H        | ╀        | +              | ╁            | -            | ⊢        | +-           | +-           | -        |  |
| <u> </u>   | 107               |          | ╁        | ╁              | +            | ╀            | ╁        | +-           | ╁╌           | $\vdash$ |  |
| $\vdash$   | 108               | _        | +        | ╁╌             | ┢            | ╁╌           | +        | ╁            | +            | -        |  |
|  | 109               | $\vdash$ | +        | +              | ╁╌           | +            | ┼╌       | +            | ╁╴           | H        |  |
|  | 110               | _        |          | T              |              | 1            | ╁        | 1            | <del> </del> | m        |  |
|  | 111               |          |          |                | $\top$       |              | T        | T            |              | H        |  |
|  | 112<br>113        |          |          |                |              |              | Г        |              |              |          |  |
|  | 113               |          | $\perp$  | $\Box$         | $oxed{\Box}$ |              |          |              |              |          |  |
| igsquare   | 114               |          | L.       | <u> </u>       | _            |              |          | _            | ļ            |          |  |
|  | 115               | _        | ⊢        | <del> </del> _ | L            | ╄            | ┡        | ╄            | <u> </u>     |          |  |
| -  | 116<br>117        |          | ₩        | ├-             | ╀            | ┼            | ╀        | ├_           | -            | -        |  |
|  | 118               | _        | 1        | -              | ┝            | ┼            | ⊢        | ╄            | ┈            |          |  |
| $\vdash$   | 119               |          | -        | ⊢              | ├-           | ⊬            | ╁        | ╁            | -            | H        |  |
| $\vdash$   | 120               |          | -        | ┢              | ┢            | ╁            | ├-       | ╁╌           |              | Н        |  |
|  | 120<br>121<br>122 |          | -        |                | ╁            | T            | ╁╴       | H            |              | Н        |  |
|  | 122               |          | Г        |                | 1-           | T            | <b>!</b> |              |              | H        |  |
|  | 123<br>124        |          |          |                |              | T            |          | <b>†</b> "   | T            |          |  |
|  | 124               |          |          | Ī              |              |              |          |              | _            |          |  |
|  | 125               |          | L        |                | L            |              |          |              |              |          |  |
| igsquare   | 126<br>127        |          | <u> </u> | L.             | Ļ.           |              |          | <u> </u>     | L            | Ш        |  |
|  | 127               |          |          | L.             |              |              | <u> </u> | <u> </u>     | ļ            |          |  |
|  | 128<br>129        |          |          |                | -            | -            | -        | ⊢            |              | Н        |  |
| <del>                                     </del> | 130               |          |          | -              | -            | ⊢            | ├-       | ├            | -            | $\dashv$ |  |
| $\vdash$   | 131               |          | -        |                | ⊢            |              | _        |              | -            |          |  |
|  | 131<br>132        |          | _        |                |              | -            | -        | <del> </del> |              | $\dashv$ |  |
|  | 133               |          |          |                | 1            | Г            |          | ╁╌╴          |              |          |  |
|  | 134               |          |          |                |              | Г            |          |              |              |          |  |
|  | 135               |          |          |                |              |              |          |              |              |          |  |
|  | 136               |          |          |                |              |              |          |              |              |          |  |
|  | 137               | _        | <u></u>  |                | <u> </u>     |              | L.,      | _            |              |          |  |
|  | 138               |          |          | L.             | <u> </u>     | _            |          |              |              | _        |  |
|  | 139<br>140        | _        |          | -              | <u> </u>     | $\vdash$     |          | <u> </u>     |              | _        |  |
| $\vdash$   | 141               | -        |          | _              | -            | -            | _        | ┢            | $\vdash$     | -        |  |
| ┞──┼   | 142               |          |          |                |              | H            | _        | -            | $\vdash$     | [        |  |
|  | 143               | $\dashv$ |          |                | -            | <u> </u>     |          |              | $\vdash$     | $\neg$   |  |
|  | 144               |          |          |                |              | Н            | _        | $\vdash$     | $\vdash$     | $\dashv$ |  |
|  | 145               |          |          |                |              |              |          |              |              | $\dashv$ |  |
|  | 146               |          |          |                |              |              |          |              |              |          |  |
|  | 147               | [        |          |                |              |              |          |              |              |          |  |
|  | 148               |          |          |                |              |              |          | Ш            |              | _]       |  |
|  | 149               | 4        |          |                |              | $\sqcup$     |          | Щ            | $\perp$      |          |  |
|  | 150               |          |          |                |              |              |          |              |              |          |  |